

Abstract

A device for fabricating a high-density microarray for cDNA or protein having an arbitrary pattern comprises an electrospray part for electrostatically spraying solutions containing a plurality of kinds of biologically active samples one by one, a support part supporting sample chips on which samples in the solutions sprayed from the electrospray part are deposited, a mask part disposed between the electrospray part and the support part and having holes the number of which is the same as that of the sample chips so as to selectively deposit the samples simultaneously in the adequate positions corresponding to the sample chips, a moving part for fabricating microarrays at a time by relatively moving the sample chip support part and the mask part and depositing the samples on the sample chips. Therefore the device can fabricate a large number of inexpensive high-density microarrays.